Abstract

The present invention relates to a piezoelectric transmitter, like those used for ultrasound propagation, for example, in acoustic flow-through measuring devices or level detectors.

This piezoelectric transmitter preferably comprises a piezoceramic that is provided with a first electrode on a first surface and a second electrode on a second surface opposite said first surface. On the first surface an electrode-free rim surface is provided on which is disposed a component having temperature-dependent behavior. This component is conductively connected via a connection to at least one of the electrodes.

The invented piezoelectric transmitter permits measuring the temperature directly at the acoustic measuring point without additional cabling.

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